

Method to enable Heartbeat e9-1-1

Service Oriented Architecture SOA

3rd

1st claim area

Structured Military

Message Formats

USMTF MIL STD 6040/
ADatP-3 / STANAG 5500
OTH-T GOLD / OS-OTG
VMF / TADIL A, B, J, K
ADFORMS, XML-MTF,
NATO ACP123/STANAG
JANAP128, NICS-TARE

Method to

commercialize

structured military

messaging

10/605144

Convert to

XML

Schemas

Import

- Apply TCP/IP's universal "heartbeat"
- mechanism to time the data exchanges
- from/to platforms of interest by way of IP
- multicast groups - routers. Configure multi-
- cast groups / MIBS via commercial vice
- military tools in commercial development /
- integration frameworks. Use intrinsic
- TCP/IP send to / gather from functions to
- place harvested data into queue/object store
- for processing/onward distribution via
- intelligent agents & newer transport
- protocols such as SSTP, ZigBee, TDXP...

2nd claim area 10/708000

Method to enable a

Homeland Security Heartbeat

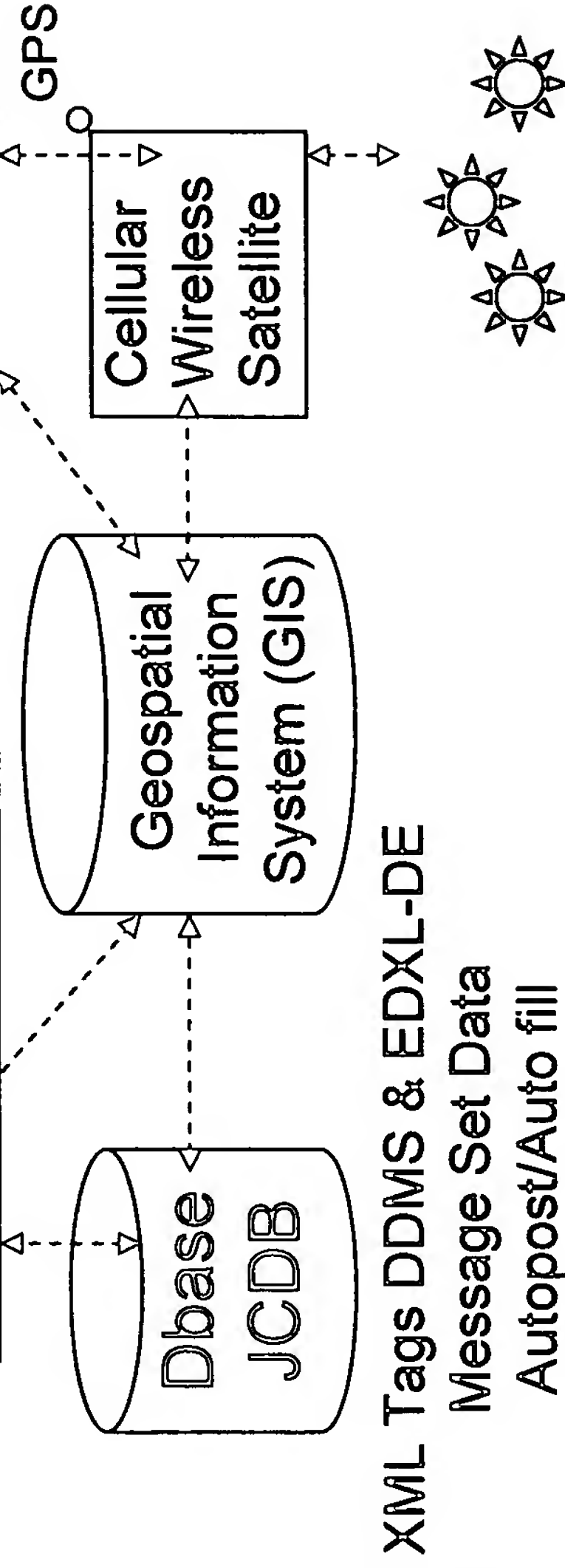
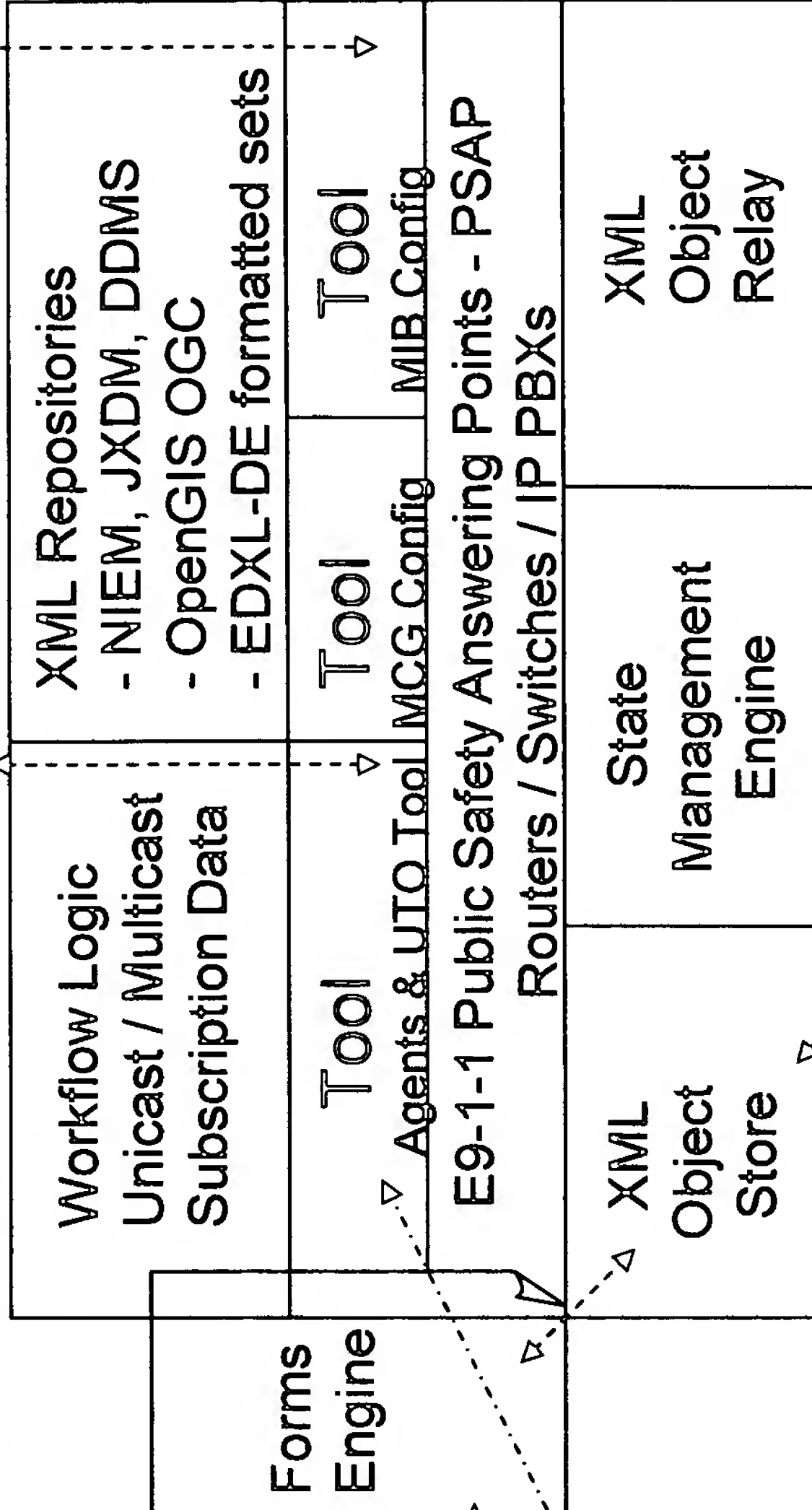
claim area

10/709358

Heartbeat XML Child Schemas/Data Islands

Viewers / Applications / Browsers

Common Alert Protocol (CAP)



Wireless Mesh Networking 70+ types TDXP Sensor nets/
ESS 802.11s, IEEE ZigBee 802.15.4 IETF 1451 Comm nodes

TCP/IP Heartbeat Protocol

Figure 1